

WHAT IS CLAIMED IS:

1. An intruding object monitoring system comprising:  
a camera mounted on a position so as to look down a monitoring target region including a dangerous source; and  
an information processing apparatus performing information processes for monitoring an intruding object based on a monitoring target region image taken by the camera,

wherein a mounting position of the camera is determined so that the dangerous source is shown at a peripheral part of a viewing field of the camera.

2. An intruding object monitoring system comprising:  
a camera mounted on a position so as to look down a monitoring target region including a dangerous source; and  
an information processing apparatus performing information processes for monitoring an intruding object based on a monitoring target region image taken by the camera,

wherein the dangerous source can be set only at a peripheral part of a viewing field of the camera.

3. The intruding object monitoring system according to claim 1 or 2, wherein the information processes for monitoring the intruding object performed in the information processing apparatus comprises a process for determining that a mobile object intrudes into a warning region set in the vicinity of the dangerous source, by comparing a mobile object position in the monitoring target region image to a warning region

position in the monitoring target region image on an image.

4. The intruding object monitoring system according to claim 1, wherein the information processes for monitoring the intruding object performed in the information processing apparatus comprises a process for immediately generating a warning in a case where a mobile object intrudes into a warning region existing in the vicinity of the dangerous source, while for generating a warning only when speed of the mobile object toward the dangerous source exceeds a predetermined value in a case where the mobile object intrudes into the warning target region existing in the vicinity of the warning region.

5. The intruding object monitoring system according to claim 2, wherein the information processes for monitoring the intruding object performed in the information processing apparatus comprises a process for immediately generating a warning in a case where a mobile object intrudes into a warning region existing in the vicinity of the dangerous source, while for generating a warning only when speed of the mobile object toward the dangerous source exceeds a predetermined value in a case where the mobile object intrudes into the warning target region existing in the vicinity of the warning region.

6. The intruding object monitoring system according to claim 4 or 5, wherein the information process for monitoring the intruding object performed in the information processing apparatus comprises a process for continuously generating the

warning until the mobile object which intruded into the warning region existing in the vicinity of the dangerous source moves out of the warning region, while for holding up the warning when at least one part of the mobile object is lost in sight in the warning region.

7. The intruding object monitoring system according to claim 6, wherein the information processes for monitoring the intruding object performed in the information processing apparatus comprises a process for allowing a reset of the warning which was held up when at least one part of the mobile object is lost in sight in the warning region, only by a manual resetting operation.

8. The intruding object monitoring system according to claim 4 or 5, wherein the information processes for monitoring the intruding object performed in the information processing apparatus comprises a process for immediately generating the warning and then holding up the warning when the mobile objects whose number is more than a predetermined value intrude into the monitoring target region.

9. The intruding object monitoring system according to claim 4 or 5, wherein the information processes for monitoring the intruding object performed in the information processing apparatus comprises a process for monitoring only the mobile objects existing in the warning region when the total number of the mobile objects existing in the warning region and the

number of the mobile objects existing in the warning target region is more than a predetermined value.

10. The intruding object monitoring system according to claim 4 or 5, wherein the information processes for monitoring the intruding object performed in the information processing apparatus comprises a process for monitoring only the mobile objects whose number is a predetermined value and which are selected in increasing order of a distance from the dangerous source when the mobile objects whose number is more than the predetermined value intrude into the monitoring target region.